

CLAIMS:

1. Lamp unit, comprising a housing (2), a lamp (3) positioned within said housing (2), a reflector (4) assigned to said lamp (3) for reflecting light emitted by said lamp (3) through a transmission window (5), characterized by at least one thermal bridge (9, 12, 14, 15) and/or at least one heat sink unit (6) being assigned to the reflector (4) and/or to the lamp (3) and/or to the housing (2).
5
2. Lamp unit according to claim 1, characterized by a heat sink unit (6) assigned to the outer surface (7) of the housing (2).
- 10 3. Lamp unit according to claim 2, characterized in that said heat sink unit (6) is provided by cooling fins (8) attached to said outer surface (7) of the housing (2).
- 15 4. Lamp unit according to any one of the preceding claims, characterized by at least one thermal bridge (9, 12) assigned to the reflector (4) and to an inner surface (11) of the housing (2).
5. Lamp unit according to claim 4, characterized by a thermal bridge (9) assigned to a neck portion (10) of the reflector (4) and to an inner surface (11) of the housing (2).
- 20 6. Lamp unit according to claim 5, characterized in that said thermal bridge (9) is connecting the neck portion (10) of the reflector (4) and the inner surface (11) of the housing (2).
- 25 7. Lamp unit according to any one of the preceding claims, characterized by a thermal bridge (12) assigned to a front portion (13) of the reflector (4) and to the inner surface (11) of the housing (2).

8. Lamp unit according to claim 7, characterized in that said thermal bridge (12) is connecting the front portion (13) of the reflector (4) to the inner surface (11) of the housing (2).

5 9. Lamp unit according to any one of the preceding claims, characterized by a thermal bridge (14) assigned to the transmission window (5) and to the housing (2).

10. 10. Lamp unit according to claim 9, characterized in that said thermal bridge (14) is connecting the transmission window (5) to the housing (2).

10

11. 11. Lamp unit according to any one of the preceding claims, characterized by a thermal bridge (15) assigned to a front portion of the lamp (3) and to the transmission window (5).

15

12. 12. Lamp unit according to claim 11, characterized in that said thermal bridge (15) is connecting the front portion of the lamp (3) to the transmission window (5).